



Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

DEPARTMENT OF AGRICULTURE.

SPECIAL REPORT—No. 41.

REPORT

UPON THE

ESTIMATED PRODUCTION OF CEREALS

OF THE

UNITED STATES

FOR

THE YEAR 1881.



WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1882.

PRODUCTION OF CEREALS.

DEPARTMENT OF AGRICULTURE,

February 16, 1882.

Hon. GEO. B. LORING,

Commissioner of Agriculture :

The cereal estimates of the Department of Agriculture, for the crop of 1881, are completed, showing a more general reduction in yield than for many years. During the five preceding years, no one of the grain crops met with serious disaster. In 1875 the wheat product was reduced, while the corn crop was above an average. In 1874 the reverse was true, wheat making an average crop, and corn nearly as bad a failure as in 1881. In 1869 corn was a comparative failure, while wheat produced more than an average yield. In no season since the inauguration of crop-reporting has there been so general disaster, involving corn, wheat, barley, buckwheat, and rye, oats alone being exempt from loss.

The aggregate of corn estimates is 1,194,916,000 bushels, grown upon 64,262,025 acres, or 18 $\frac{1}{10}$ % bushels per acre. This is a reduction of 31 per cent. from the crop of 1880.

The wheat crop aggregates 380,280,090 bushels, a reduction of 22 per cent., grown on 37,709,020 acres, a yield of 10 $\frac{1}{10}$ % per acre, the lowest rate of yield yet reported for the entire crop.

Rye 20,704,950, a reduction of 27 per cent.; area 1,789,100 acres, yielding 11.6 bushels per acre.

The product of oats is 416,481,000 bushels, against 417,885,380 in 1880. The area is 16,831,600 acres, and the yield 24.7 bushels per acre.

Barley, 41,161,330 bushels (a reduction of 9 per cent.), grown on 1,967,510 acres, or the rate of 20.9 bushels per acre.

Buckwheat, 9,486,200 bushels, grown on 828,815 acres, yielding 11.4 bushels per acre.

The aggregate product of all cereals is 2,063,029,570 bushels, against 2,718,193,501, a decrease of 24 per cent.

The aggregate value of cereals grown in 1881 is greater than the total valuation for 1880.

Corn and oats, mainly consumed at home and used interchangeably, are most affected by the failure of maize. The average value of corn has advanced from 39.6 cents in 1880, to 63.6 in 1881; oats from 36 to 46.4 cents; wheat has advanced from an average of 95 cents to \$1.19 per bushel.

The aggregate quantities, areas, and valuations are as follows :

	Bushels.	Yield.	Acres.	Price.	Value.
Corn	1, 194, 916, 000	18. 6	64, 262, 025	\$63. 6	\$759, 482, 170
Wheat	380, 280, 090	10. 1	37, 709, 020	1. 19	453, 790, 427
Oats	416, 481, 000	24. 7	16, 831, 600	46. 4	193, 189, 970
Barley	41, 161, 330	20. 9	1, 967, 510	82. 3	33, 862, 513
Rye	20, 704, 950	11. 6	1, 789, 100	93. 3	19, 327, 415
Buckwheat	9, 486, 200	11. 4	828, 815	86. 5	8, 105, 705
Total	2, 063, 029, 570		123, 388, 070		1, 467, 858, 200

While the reduction of product of corn in the seven surplus-yielding States amounts to about four-tenths of the usual crop, the aggregate still equals 62 per cent. of the crop of the country, leaving, as the production of thirty-one States and ten Territories, but three-eighths of the maize product.

The yield per acre, which should be 30 bushels in a year of moderate production, is but 21.3 bushels, yet this is larger than the average yield of the remaining States, which is 15.4 bushels.

The price per bushel is less, being 55 cents instead of 81 cents in the remaining States.

The following table gives the States producing a surplus of maize :

CORN.

	Bushels.	Acres.	Value.
Ohio	79, 760, 000	3, 134, 400	\$48, 653, 600
Indiana	79, 618, 000	3, 657, 800	47, 770, 800
Illinois	176, 733, 000	9, 096, 600	102, 505, 140
Iowa	173, 289, 000	6, 710, 200	76, 247, 160
Missouri	93, 069, 000	5, 650, 100	60, 494, 850
Kansas	76, 377, 000	4, 196, 500	44, 298, 660
Nebraska	58, 913, 000	2, 149, 200	22, 976, 070
Seven States	737, 759, 000	34, 594, 400	402, 946, 280
Thirty-one States and Territories	457, 157, 000	29, 667, 625	356, 535, 890

There are but ten States east of the Rocky Mountains that ever have a surplus of wheat. These, with California and Oregon on the Pacific Coast, and Washington and Dakota Territories, yield all the wheat for the supply of non-supporting sections and foreign countries.

The ten Western States produce 64 per cent. of the wheat crop of 1881, as follows :

WHEAT.

	Bushels.	Acres.	Value.
Ohio	38, 520, 000	2, 902, 100	\$49, 690, 800
Michigan	21, 220, 000	1, 950, 300	26, 525, 000
Indiana	31, 353, 000	2, 903, 100	39, 818, 310
Illinois	26, 822, 000	3, 285, 200	32, 722, 840
Wisconsin	17, 987, 000	1, 595, 300	21, 404, 530
Minnesota	35, 952, 000	3, 152, 100	38, 109, 120
Iowa	18, 248, 000	2, 775, 500	19, 342, 880
Missouri	20, 399, 000	2, 382, 700	24, 274, 810
Kansas	19, 909, 000	2, 198, 000	20, 904, 450
Nebraska	13, 840, 000	1, 958, 500	13, 424, 800
	244, 250, 000	25, 102, 800	286, 217, 540

These ten States produce 65 per cent. of the oats of 1881, distributed as follows:

OATS.

	Bushels.	Acres.	Value.
Ohio	25,009,000	902,300	\$11,003,960
Michigan	18,057,000	552,600	8,306,220
Indiana	13,711,000	683,000	6,598,620
Illinois	66,094,000	1,979,400	28,420,420
Wisconsin	31,204,000	1,092,200	12,481,600
Minnesota	23,760,000	667,700	10,216,890
Iowa	42,434,000	1,618,700	14,427,560
Missouri	22,783,000	959,200	10,252,350
Kansas	8,754,000	441,700	3,501,600
Nebraska	6,976,000	323,300	2,581,120
	260,782,000	9,222,100	107,790,250

Accompanying are the tables showing the number of bushels, number of acres, valuation, price per bushel, and yield per acre for each State.

J. R. DODGE,

Statistician.

CORN—1881.

States.	Bushels.	Yield.	Acres.	Price.	Value.
Maine	1,064,000	34.0	31,300	\$0 91	\$968,240
New Hampshire	1,262,000	34.2	36,900	87	1,097,940
Vermont	1,990,000	35.7	55,800	86	1,711,400
Massachusetts	1,406,000	25.1	56,000	88	1,237,280
Rhode Island	327,000	27.0	12,100	90	294,300
Connecticut	1,427,000	25.5	55,960	80	1,141,600
New York	20,085,000	26.4	761,500	77	15,465,470
New Jersey	7,829,000	23.2	336,800	77	6,028,800
Pennsylvania	34,599,000	25.2	1,374,500	75	25,940,250
Delaware	2,940,000	14.4	204,100	60	1,764,000
Maryland	16,277,000	24.2	671,400	64	10,417,280
Virginia	27,200,000	15.0	1,809,200	71	19,312,000
North Carolina	26,977,000	11.7	2,307,600	70	21,315,800
South Carolina	8,809,000	6.7	1,308,900	69	8,720,410
Georgia	19,745,000	8.3	2,388,700	97	19,152,650
Florida	3,170,000	8.8	359,700	1 00	3,170,000
Alabama	20,250,000	9.9	2,035,700	97	19,642,500
Mississippi	17,646,000	11.0	1,606,200	96	16,340,160
Louisiana	9,693,000	13.0	745,600	98	9,499,140
Texas	33,377,000	11.9	2,803,700	90	33,043,230
Arkansas	21,023,000	14.8	1,425,600	94	19,796,320
Tennessee	36,232,000	12.4	2,915,300	72	26,087,940
West Virginia	12,980,000	22.7	571,100	74	9,605,200
Kentucky	51,624,000	17.0	3,042,400	70	36,136,800
Ohio	79,760,000	25.4	3,134,400	61	48,653,600
Michigan	25,068,000	28.0	894,000	63	15,782,400
Indiana	79,618,000	21.8	3,657,800	60	47,770,800
Illinois	176,733,000	19.4	9,096,600	58	102,565,140
Wisconsin	29,040,000	27.6	1,054,000	54	15,681,600
Minnesota	16,252,000	32.0	508,500	53	8,613,560
Iowa	173,289,000	25.8	6,710,200	44	76,247,400
Missouri	93,069,000	16.5	5,650,100	65	60,494,850
Kansas	76,377,000	18.2	4,196,500	58	44,293,660
Nebraska	58,913,000	27.4	2,149,200	39	22,376,070
California	2,633,000	27.2	96,700	78	2,053,740
Oregon	101,000	20.2	5,000	75	75,750
Nevada	13,000	24.8	525	1 00	13,000
Colorado	352,000	25.5	13,800	1 05	369,600
Territories	5,761,000	32.2	178,700	95	5,472,350
Total	1,194,916,000	18.6	64,262,025	63.6—	759,432,170

PRODUCTION OF CEREALS.

WHEAT—1881.

States.	Bushels.	Yield.	Acres.	Price.	Value.
Maine.....	617,000	14.1	43,700	\$1 56	\$962,520
New Hampshire.....	175,000	15.2	11,500	1 56	273,000
Vermont.....	378,000	18.0	21,000	1 47	555,660
Massachusetts.....	19,000	15.8	1,200	1 50	28,500
Rhode Island.....	260	10.4	25	1 50	390
Connecticut.....	39,000	17.7	2,200	1 42	55,380
New York.....	10,844,000	13.9	780,200	1 37	14,856,280
New Jersey.....	2,018,000	12.7	158,700	1 43	2,885,740
Pennsylvania.....	18,797,000	12.5	1,503,800	1 34	25,187,920
Delaware.....	1,044,000	10.1	102,900	1 40	1,461,600
Maryland.....	7,213,000	11.7	618,300	1 35	9,737,550
Virginia.....	7,165,000	8.0	892,100	1 33	9,529,450
North Carolina.....	4,579,000	6.9	662,200	1 49	6,822,710
South Carolina.....	988,000	5.7	173,900	1 65	1,630,230
Georgia.....	2,933,000	6.1	477,200	1 63	4,780,790
Florida.....	480	5.1	95	1 65	792
Alabama.....	1,479,000	6.6	222,500	1 58	2,336,820
Mississippi.....	197,000	5.6	34,900	1 60	315,200
Louisiana.....	5,350	3.3	1,600	1 50	8,025
Texas.....	3,339,000	12.7	263,200	1 40	4,674,600
Arkansas.....	1,017,000	5.2	196,100	1 50	1,525,500
Tennessee.....	6,408,000	6.1	1,055,400	1 36	8,714,800
West Virginia.....	4,413,000	10.5	420,600	1 25	5,516,250
Kentucky.....	8,625,000	7.5	1,156,600	1 31	11,298,750
Ohio.....	38,520,000	13.3	2,902,100	1 29	49,690,800
Michigan.....	21,220,000	10.9	1,950,300	1 25	26,525,000
Indiana.....	31,353,000	10.8	2,903,100	1 27	39,818,310
Illinois.....	26,822,000	8.2	3,285,200	1 22	32,722,840
Wisconsin.....	17,987,000	11.3	1,595,300	1 19	21,404,520
Minnesota.....	35,952,000	11.4	3,152,100	1 06	38,109,120
Iowa.....	18,248,000	6.6	2,775,500	1 06	19,342,880
Missouri.....	20,399,000	8.6	2,382,700	1 19	24,274,810
Kansas.....	19,909,000	9.1	2,198,000	1 05	20,904,450
Nebraska.....	13,840,000	7.1	1,958,500	97	13,424,800
California.....	28,406,000	12.0	2,367,200	1 03	29,258,100
Oregon.....	12,673,000	17.2	738,600	88	11,152,240
Nevada.....	48,000	14.5	3,300	1 20	57,600
Colorado.....	1,310,000	19.8	66,000	1 33	1,742,300
Territories.....	11,300,000	17.9	631,200	1 08	12,204,000
Total.....	380,280,090	10.1	37,709,020	1 19+	453,790,427

OATS—1881.

Maine.....	2,369,000	28.9	82,100	\$0 52	\$1,231,880
New Hampshire.....	1,030,000	34.7	29,700	52	535,600
Vermont.....	3,345,000	33.6	99,500	50	1,672,500
Massachusetts.....	703,000	30.4	23,100	65	458,950
Rhode Island.....	164,000	29.3	5,600	67	109,880
Connecticut.....	1,038,000	28.3	36,700	56	581,280
New York.....	38,160,000	28.8	1,324,700	48	18,316,800
New Jersey.....	4,052,000	30.7	131,800	49	1,985,480
Pennsylvania.....	38,579,000	31.8	1,212,700	48	18,517,920
Delaware.....	316,000	18.5	17,100	45	142,200
Maryland.....	1,823,000	19.3	94,600	48	875,040
Virginia.....	4,331,000	7.9	545,800	53	2,295,420
North Carolina.....	4,081,000	8.1	506,300	62	2,530,220
South Carolina.....	3,098,000	11.0	281,900	97	3,005,160
Georgia.....	5,566,000	9.1	612,300	87	4,842,420
Florida.....	392,000	8.2	47,800	92	360,640
Alabama.....	3,073,000	9.1	337,200	89	2,734,970
Mississippi.....	2,185,000	10.3	211,700	85	1,857,250
Louisiana.....	364,000	13.8	26,400	89	323,960
Texas.....	8,324,000	26.8	311,100	61	5,077,640
Arkansas.....	2,337,000	13.8	168,900	71	1,659,270
Tennessee.....	6,726,000	14.2	472,100	55	3,766,560
West Virginia.....	2,098,000	16.8	124,800	47	986,060
Kentucky.....	6,534,000	16.3	400,500	47	3,070,980
Ohio.....	25,009,000	27.7	902,300	44	11,003,960
Michigan.....	18,057,000	32.7	552,600	46	8,306,220
Indiana.....	15,711,000	23.0	683,000	42	6,598,620
Illinois.....	66,094,000	33.4	1,979,400	43	28,420,420
Wisconsin.....	31,204,000	28.6	1,092,200	40	12,481,600
Minnesota.....	23,760,000	35.6	667,700	43	10,216,800
Iowa.....	42,434,000	26.2	1,618,700	34	14,427,560
Missouri.....	22,783,000	23.8	959,200	45	10,252,350
Kansas.....	8,754,000	19.8	441,700	40	3,501,600
Nebraska.....	6,976,000	21.4	325,300	37	2,581,120

PRODUCTION OF CEREALS.

7

OATS—1881—Continued.

States.	Bushels.	Yield.	Acres.	Price.	Value.
California	1,548,000	23.1	67,100	\$0 60	\$928,800
Oregon	5,278,000	34.6	152,400	43	2,269,540
Nevada	190,000	31.7	6,009	90	171,000
Colorado	771,000	27.4	28,100	81	624,510
Territories	7,224,000	28.7	251,500	62	4,478,880
Total.....	416,481,000	24.7	16,831,600	46.4—	193,189,970

BARLEY—1881.

Maine	244,000	22.0	11,100	\$0 85	\$207,400
New Hampshire.....	80,000	22.2	3,600	82	65,600
Vermont	285,000	25.4	11,200	87	247,950
Massachusetts	82,000	25.6	3,200	95	77,900
Rhode Island	18,500	23.1	800	97	17,945
Connecticut	12,300	19.8	620	1 00	12,300
New York	8,412,000	23.6	355,900	93	7,823,160
New Jersey	4,200	16.8	250	97	4,074
Pennsylvania	480,000	21.1	22,700	95	456,000
Delaware					
Maryland	6,200	25.8	240	1 10	6,820
Virginia	14,750	15.5	950	1 10	16,225
North Carolina	2,500	10.0	250	1 15	2,875
South Carolina	16,850	14.0	1,200	1 20	20,220
Georgia	22,000	14.7	1,500	1 25	27,500
Florida					
Alabama	5,780	9.6	600	1 37	7,919
Mississippi					
Louisiana					
Texas	106,000	19.3	5,500	90	95,490
Arkansas					
Tennessee	36,000	13.8	2,600	1 06	38,160
West Virginia	10,250	20.5	500	90	9,225
Kentucky	344,000	17.0	20,200	89	306,160
Ohio	1,122,000	16.4	68,300	99	1,110,780
Michigan	1,249,000	24.3	51,500	93	1,161,570
Indiana	385,000	26.0	14,800	1 05	404,250
Illinois	754,000	15.5	48,800	86	648,440
Wisconsin	5,296,000	24.5	215,800	84	4,448,640
Minnesota	4,145,000	32.5	127,700	71	2,942,950
Iowa	3,498,000	20.8	167,800	74	2,588,520
Missouri	101,000	15.8	6,400	98	98,980
Kansas	243,000	12.3	19,700	75	182,250
Nebraska	1,270,000	8.9	142,200	55	698,500
California	10,146,000	18.9	537,000	77	7,812,420
Oregon	745,000	25.7	29,000	58	432,100
Nevada	450,000	21.4	21,000	1 20	540,000
Colorado	88,000	18.0	4,900	1 15	101,200
Territories	1,487,000	21.3	69,700	84	1,249,080
Total.....	41,161,330	20.9	1,967,510	82.3—	33,862,513

RYE—1881.

Maine	39,000	15.0	2,600	\$1 07	\$41,730
New Hampshire.....	34,000	10.6	3,200	1 05	35,700
Vermont	104,000	16.8	6,200	1 02	106,080
Massachusetts	449,000	16.3	27,600	1 12	502,880
Rhode Island	16,000	11.4	1,400	1 13	18,080
Connecticut	451,000	14.9	30,300	98	441,980
New York	2,820,000	12.0	234,600	93	2,622,600
New Jersey	1,040,000	10.8	96,600	97	1,008,800
Pennsylvania	4,050,000	10.5	386,600	96	3,888,000
Delaware	6,500	8.1	800	87	5,655
Maryland	285,000	10.8	26,300	1 00	285,000
Virginia	304,000	6.4	47,700	92	279,680
North Carolina	376,000	6.2	60,600	97	364,720
South Carolina	32,000	4.5	7,100	1 60	51,200
Georgia	144,000	6.6	21,900	1 40	201,600
Florida	3,200	4.9	650	1 60	5,120
Alabama	31,000	5.7	5,400	1 43	44,330
Mississippi	5,250	6.2	850	1 40	7,350
Louisiana	235,000	8.7	27,100	1 40	329,000
Texas	42,000	14.0	3,000	1 20	50,400
Arkansas	22,000	6.7	3,300	1 10	24,200
Tennessee	182,000	5.6	32,500	1 00	182,000

PRODUCTION OF CEREALS.

RYE—1881—Continued.

States.	Bushels.	Yield.	Acres.	Price.	Value.
West Virginia	165,000	9.8	16,900	\$0 96	\$158,400
Kentucky	694,000	11.1	62,300	99	687,060
Ohio	392,000	13.1	29,900	92	360,640
Michigan	271,000	12.5	21,700	91	246,610
Indiana	249,000	10.2	24,400	93	231,570
Illinois	2,775,000	15.5	179,300	91	2,525,250
Wisconsin	2,353,000	14.3	164,500	90	2,117,700
Minnesota	193,000	14.7	13,100	74	142,820
Iowa	1,242,000	11.4	109,200	80	993,600
Missouri	458,000	13.8	38,900	85	389,300
Kansas	467,000	12.2	38,200	74	345,580
Nebraska	424,000	11.1	38,200	71	301,040
California	209,000	11.1	18,800	1 40	209,000
Oregon	18,000	20.0	900	67	12,060
Nevada					
Colorado	28,000	20.0	1,400	97	27,160
Territories	96,000	18.8	5,100	87	83,520
Total	20,704,950	11.6	1,789,100	93.3+	19,327,415

BUCKWHEAT—1881.

Maine	420,000	20.8	20,000	\$0 62	\$260,400
New Hampshire	92,000	20.0	4,600	75	69,000
Vermont	341,000	20.1	17,000	72	245,520
Massachusetts	73,000	13.3	5,500	75	54,750
Rhode Island	1,350	10.8	125	90	1,215
Connecticut	146,000	13.0	11,200	95	138,700
New York	3,338,000	11.9	279,600	82	2,737,160
New Jersey	312,000	9.0	34,700	1 00	312,000
Pennsylvania	2,466,000	10.1	244,000	96	2,367,360
Delaware	5,500	13.7	400	98	5,390
Maryland	95,000	10.0	9,500	90	85,500
Virginia	153,000	9.7	15,800	73	111,690
North Carolina	52,000	9.6	5,400	71	36,920
South Carolina					
Georgia					
Florida					
Alabama					
Mississippi					
Louisiana					
Texas					
Arkansas					
Tennessee	43,000	8.3	5,200	84	36,120
West Virginia	325,000	10.3	31,500	81	263,250
Kentucky	10,500	9.5	1,100	74	7,770
Ohio	183,000	8.4	21,900	96	175,680
Michigan	468,000	14.5	32,200	90	421,200
Indiana	79,000	11.0	7,200	99	78,210
Illinois	148,000	7.6	19,500	99	146,520
Wisconsin	386,000	12.0	32,200	84	324,240
Minnesota	46,000	12.4	3,700	83	38,180
Iowa	167,000	12.4	13,900	93	153,310
Missouri	66,000	12.5	5,300	98	64,680
Kansas	40,000	9.5	4,200	99	39,600
Nebraska	17,000	8.1	2,100	97	16,490
California	6,100	17.9	340	1 00	6,100
Oregon	6,750	13.0	450	1 00	6,750
Nevada					
Colorado					
Territories					
Total	9,486,200	11.4	828,815	86.5	8,205,705

